

FIG.1

S11

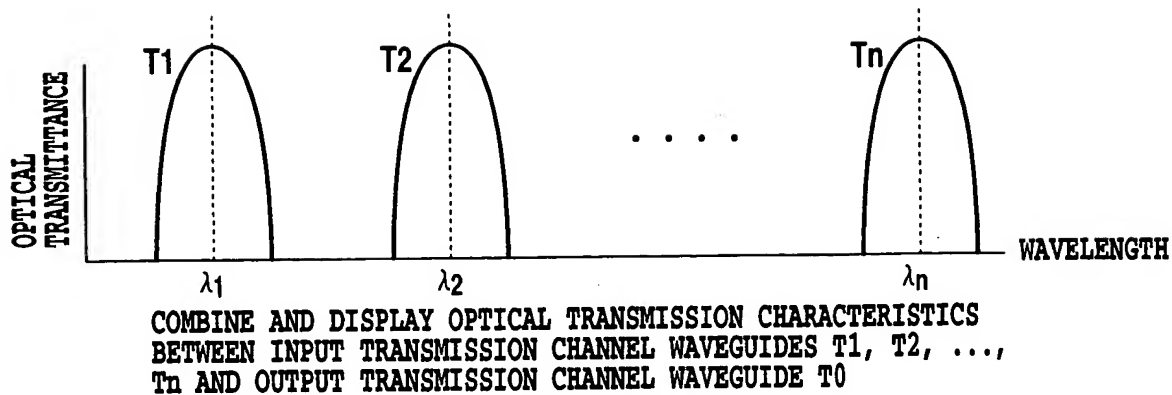


FIG.2A

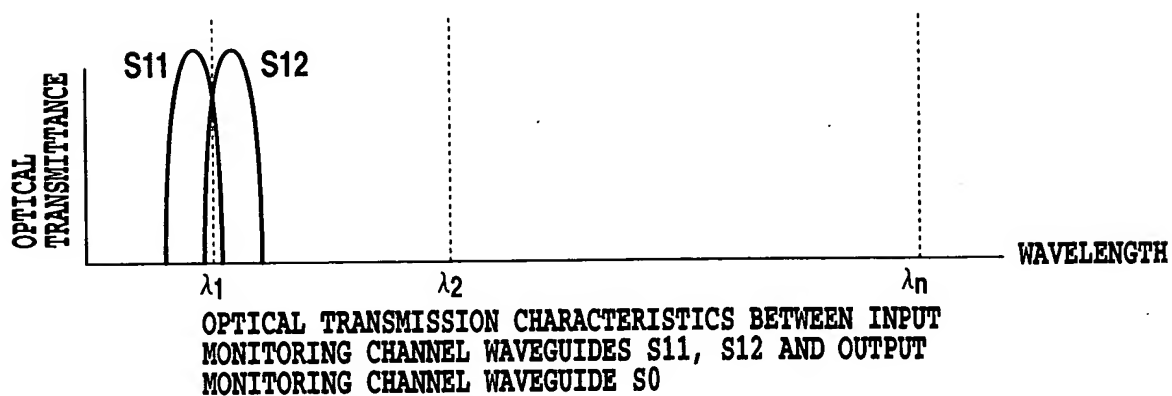


FIG.2B

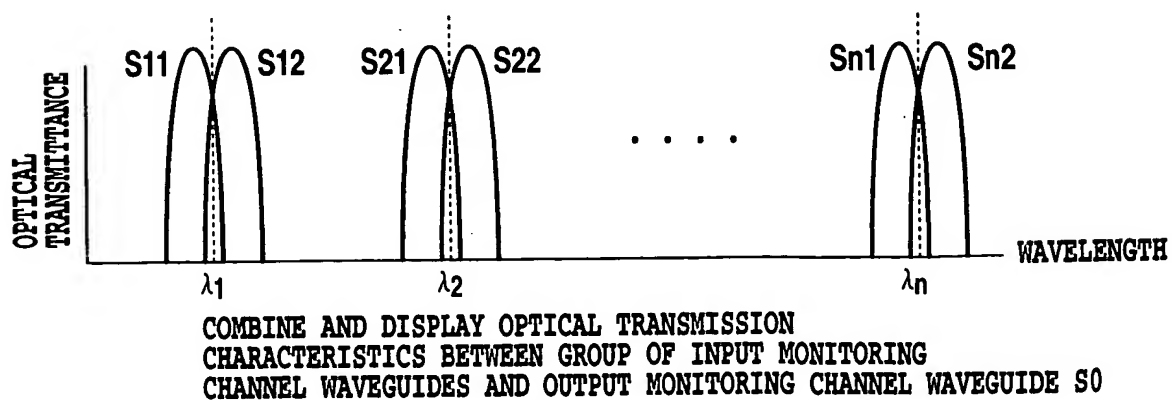


FIG.2C

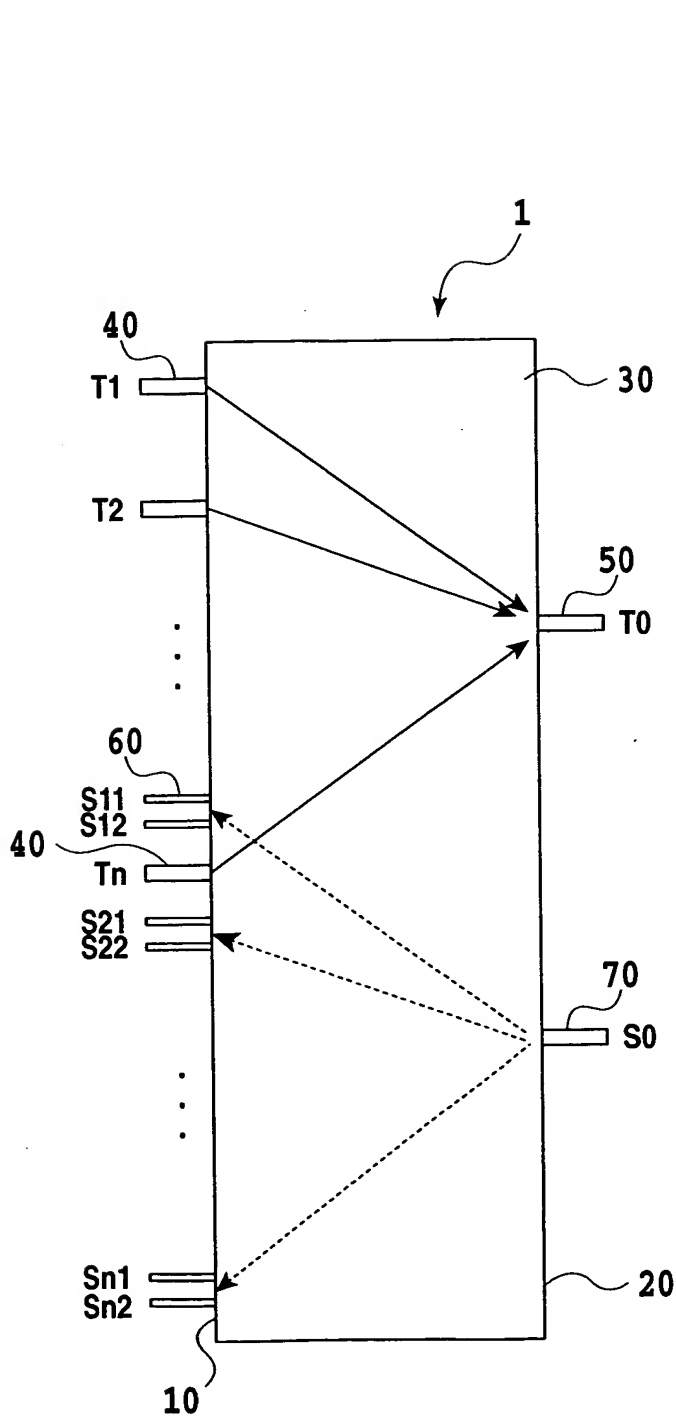


FIG. 3A

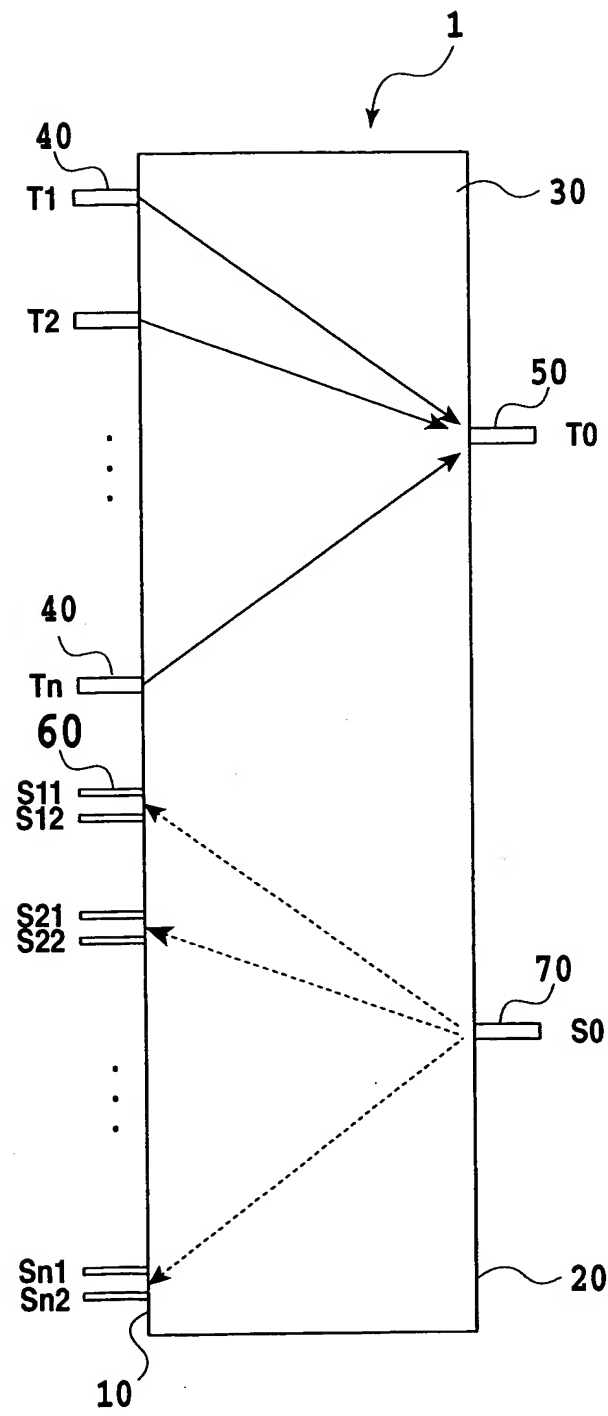


FIG. 3B

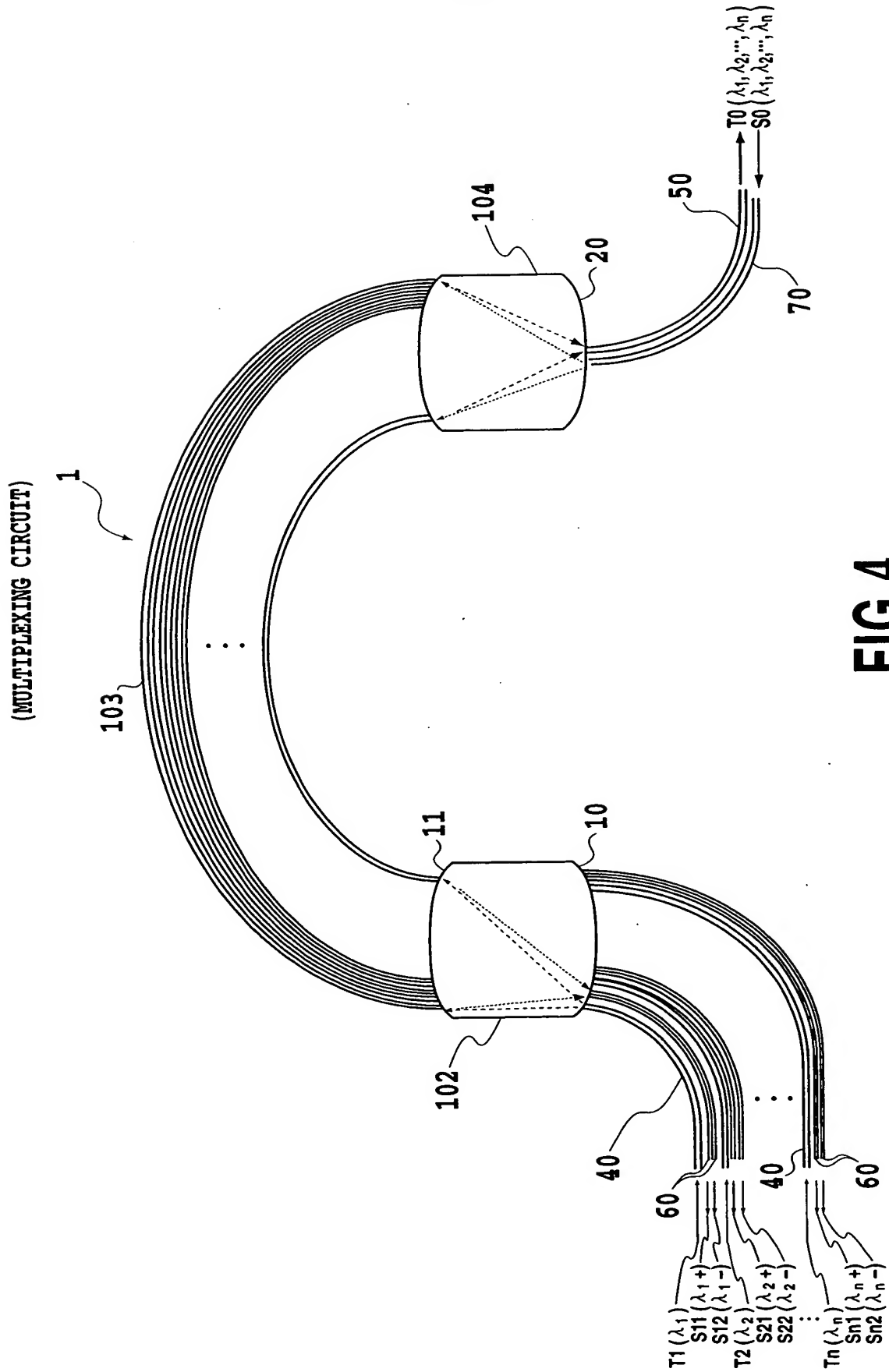


FIG.4

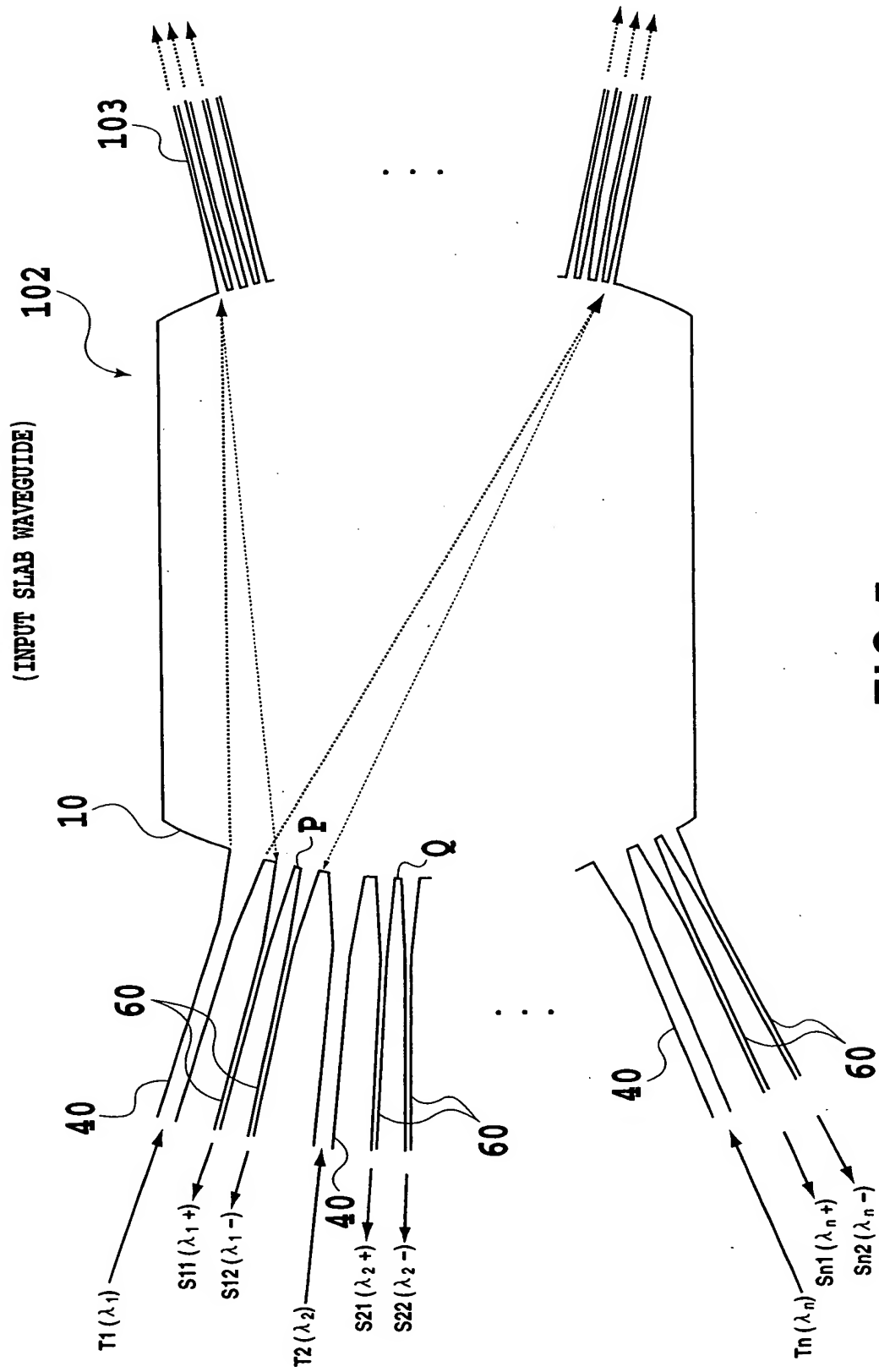


FIG.5

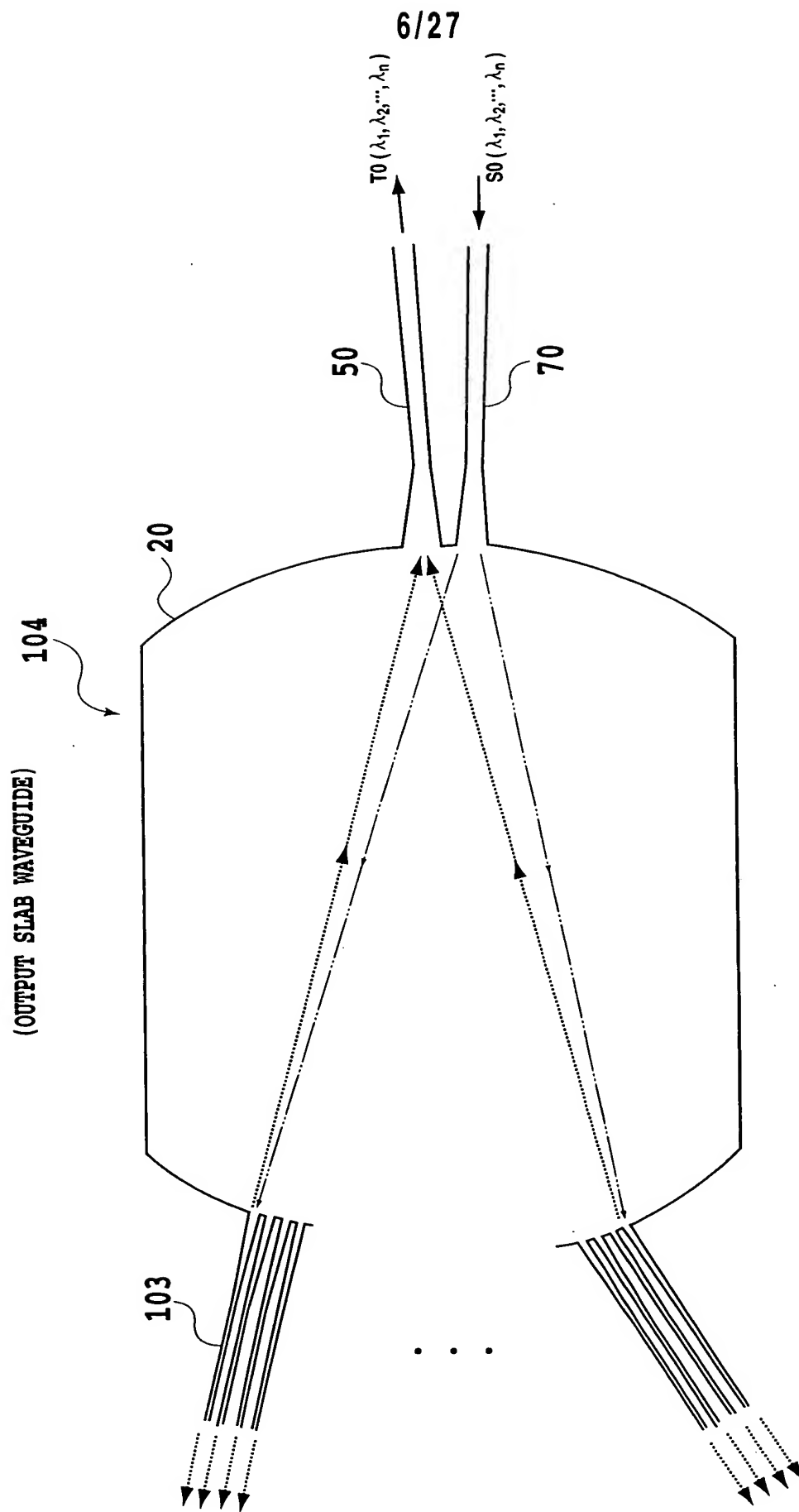


FIG.6

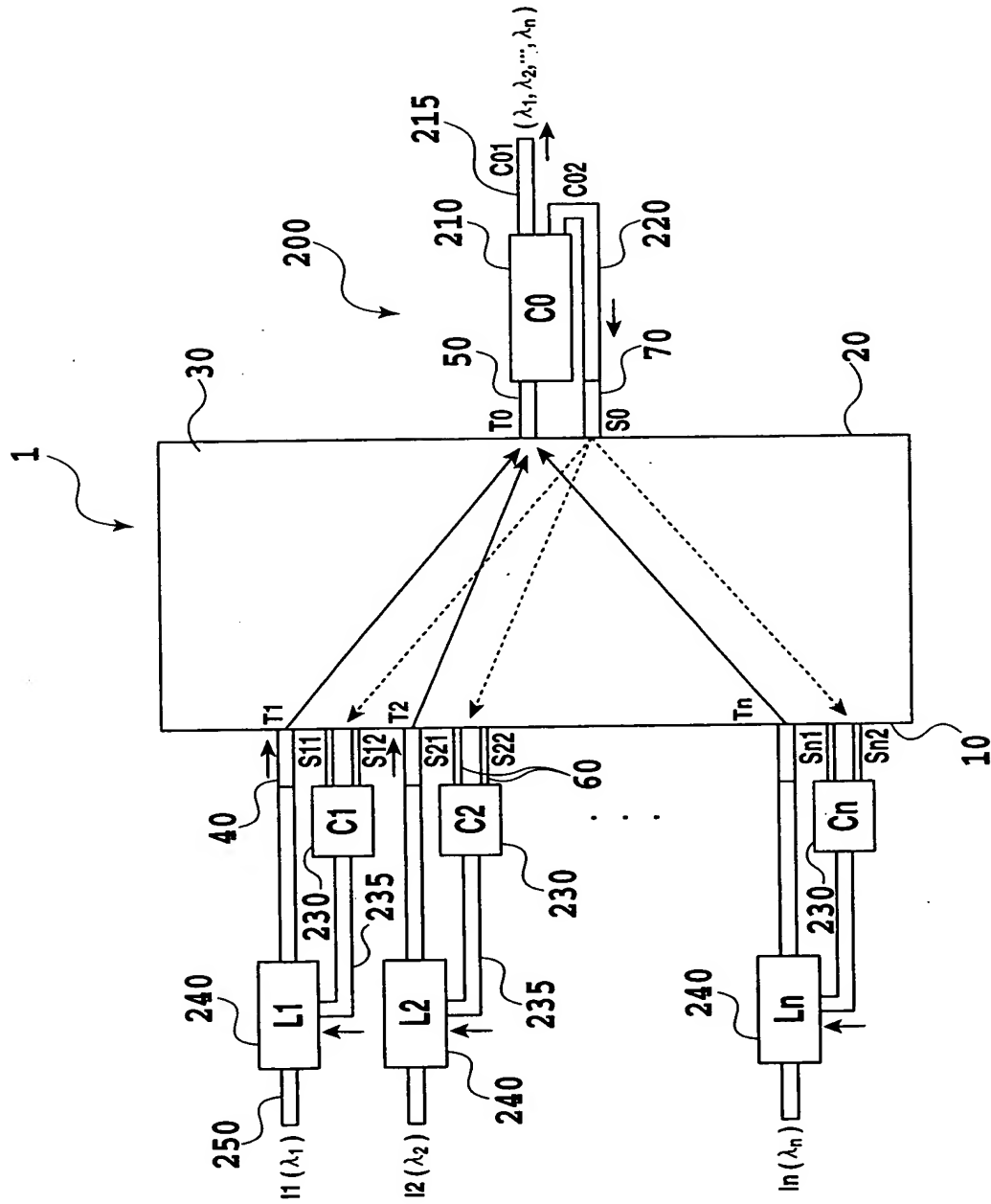


FIG.7

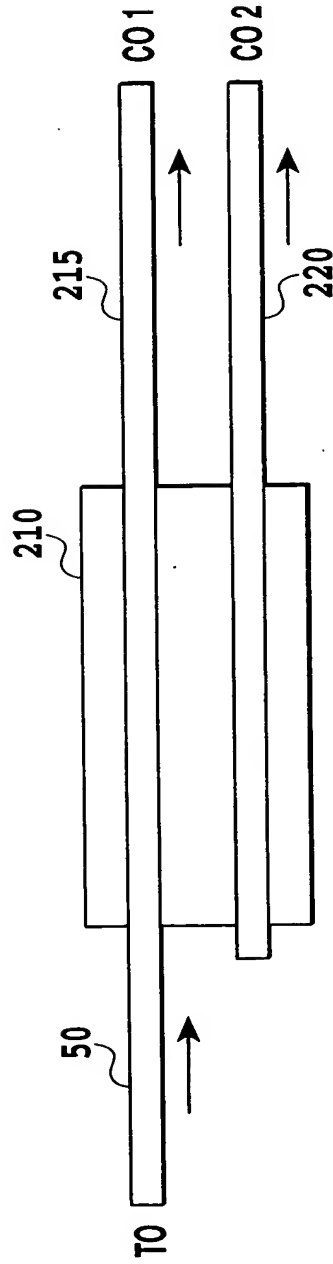
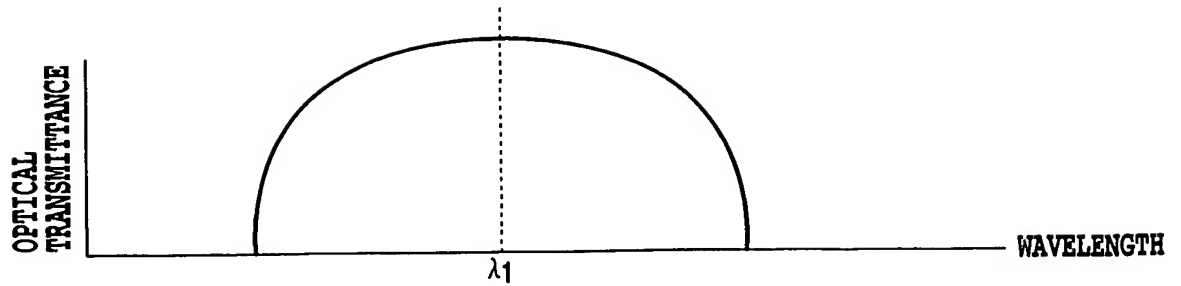


FIG.8

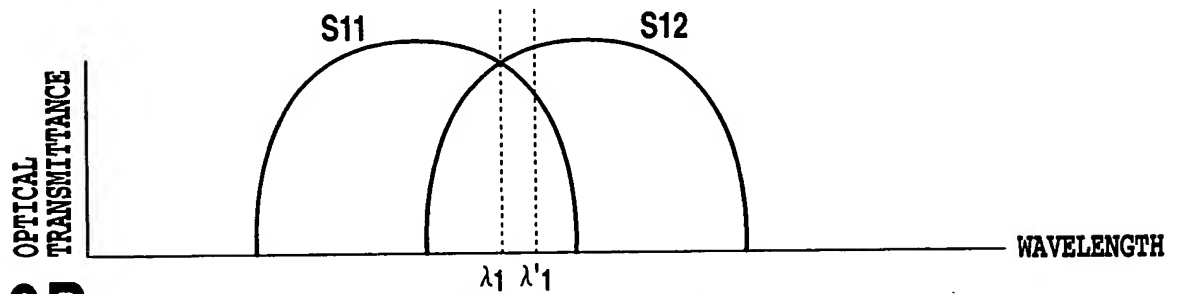


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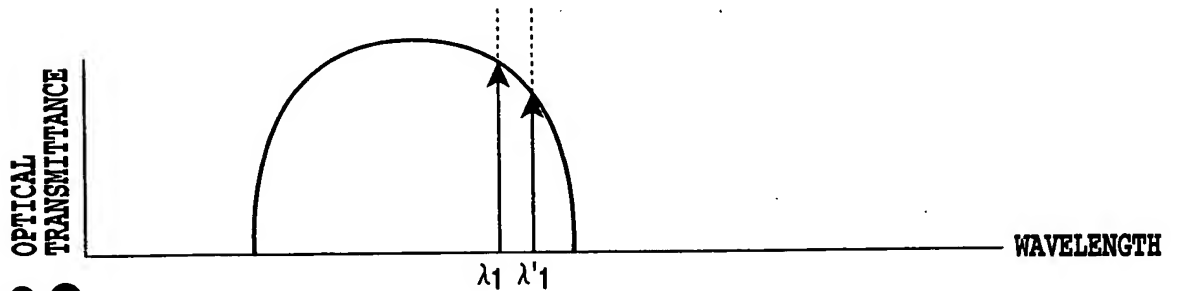
**FIG. 9A**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTIC BETWEEN T1 AND T0



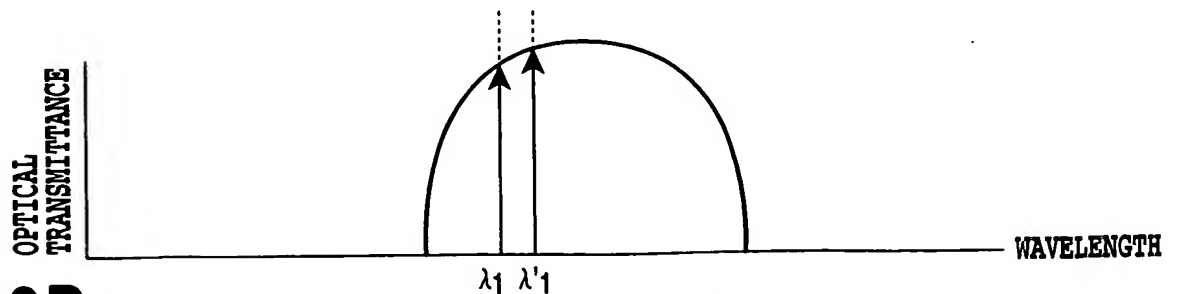
**FIG. 9B**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTICS BETWEEN S0 AND S11, S12



**FIG. 9C**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTIC BETWEEN S0 AND S11



**FIG. 9D**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTIC BETWEEN S0 AND S12

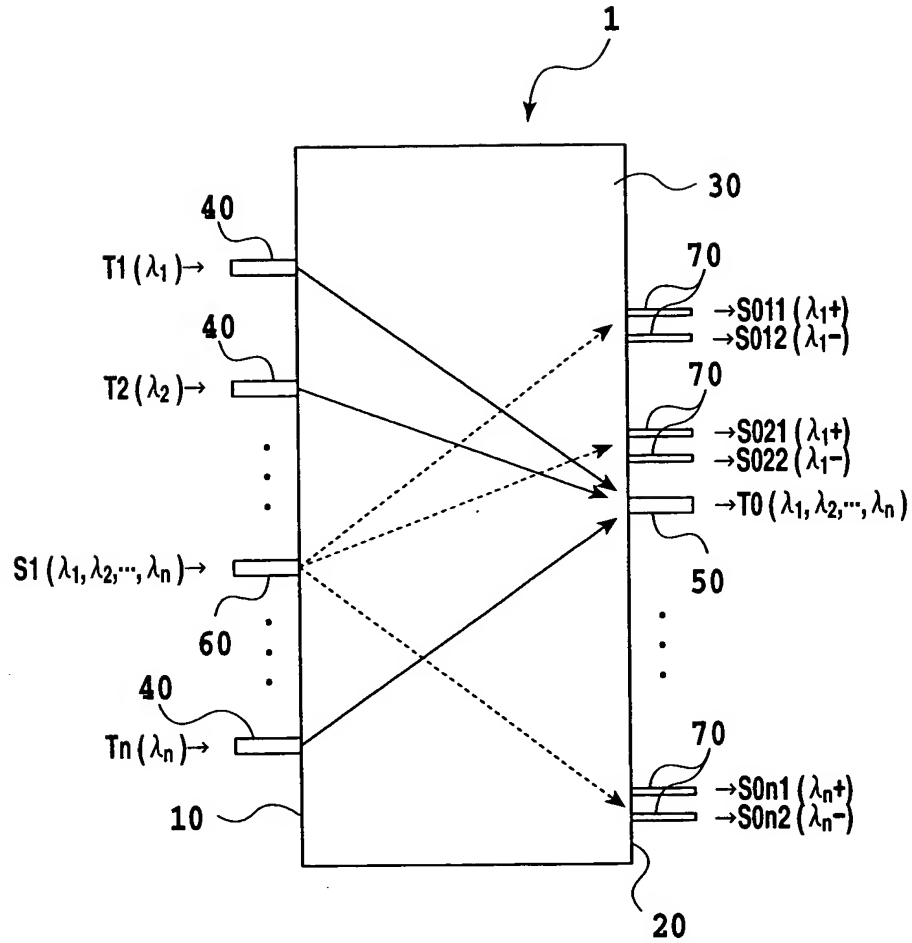
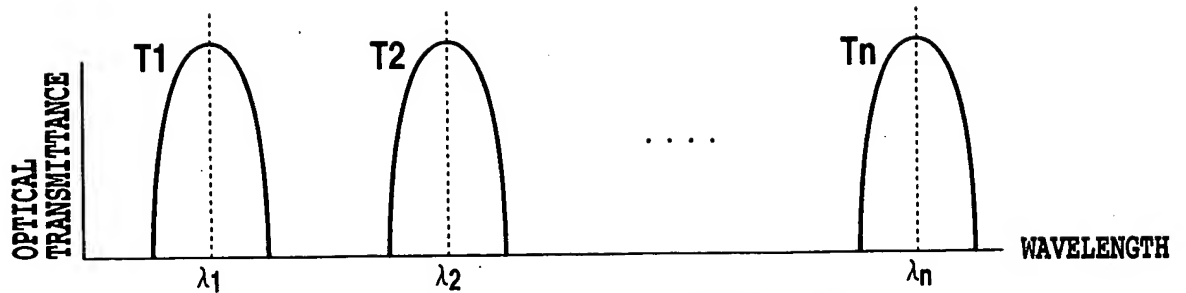
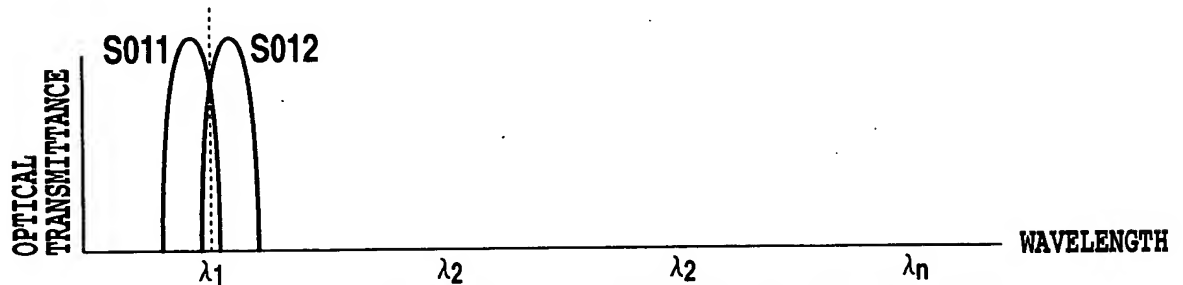


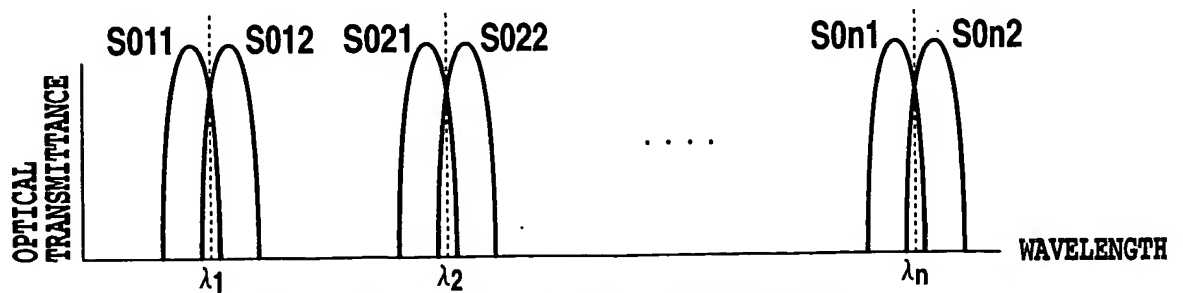
FIG.10

**FIG. 11A**

COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT TRANSMISSION CHANNEL WAVEGUIDES T1, T2, ..., Tn AND OUTPUT TRANSMISSION CHANNEL WAVEGUIDE T0

**FIG. 11B**

OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDE S1 AND OUTPUT MONITORING CHANNEL WAVEGUIDES S011, S012

**FIG. 11C**

COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDE S1 AND GROUP OF OUTPUT MONITORING CHANNEL WAVEGUIDES S011, S012, S021, S022, ..., S0n1, S0n2

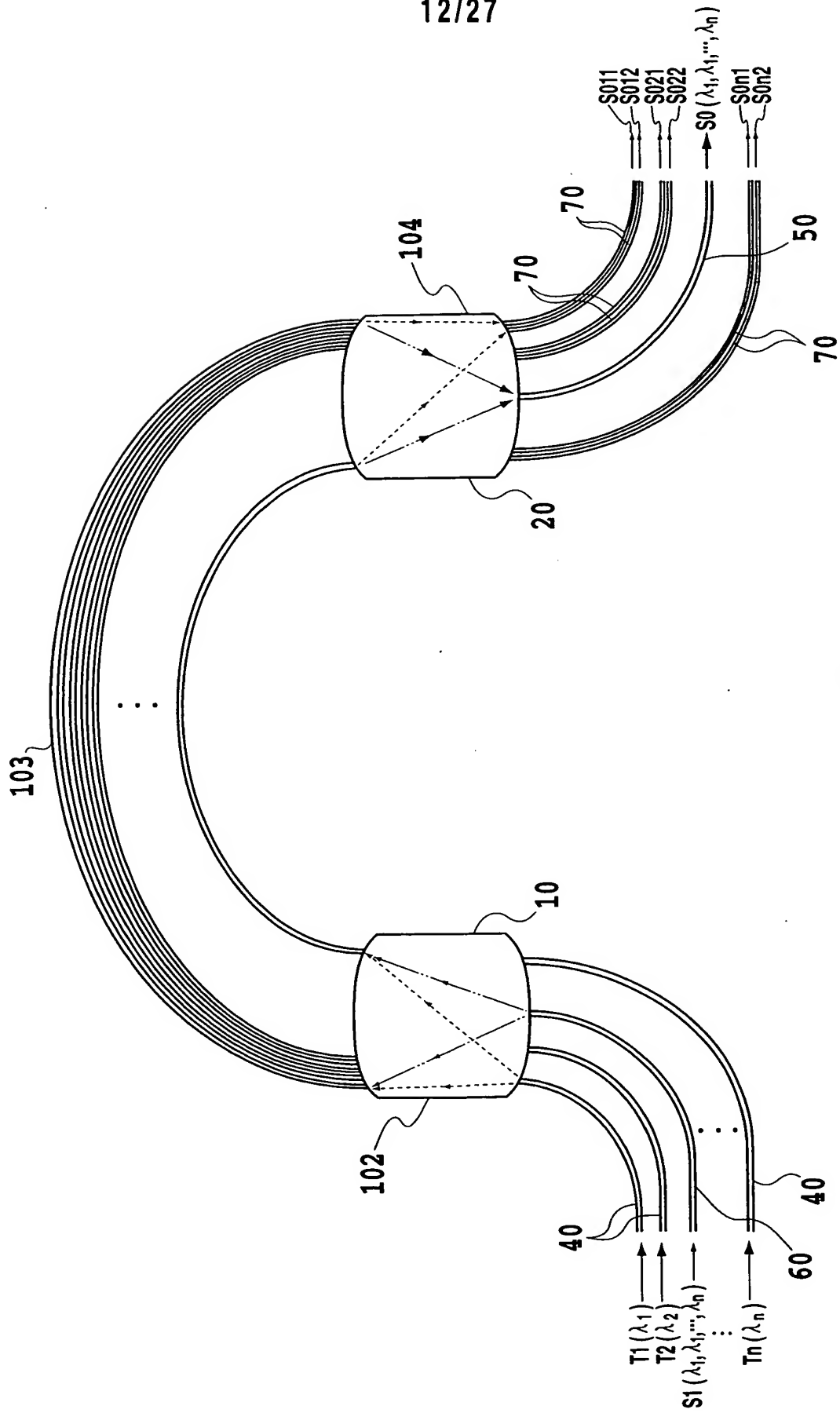


FIG.12

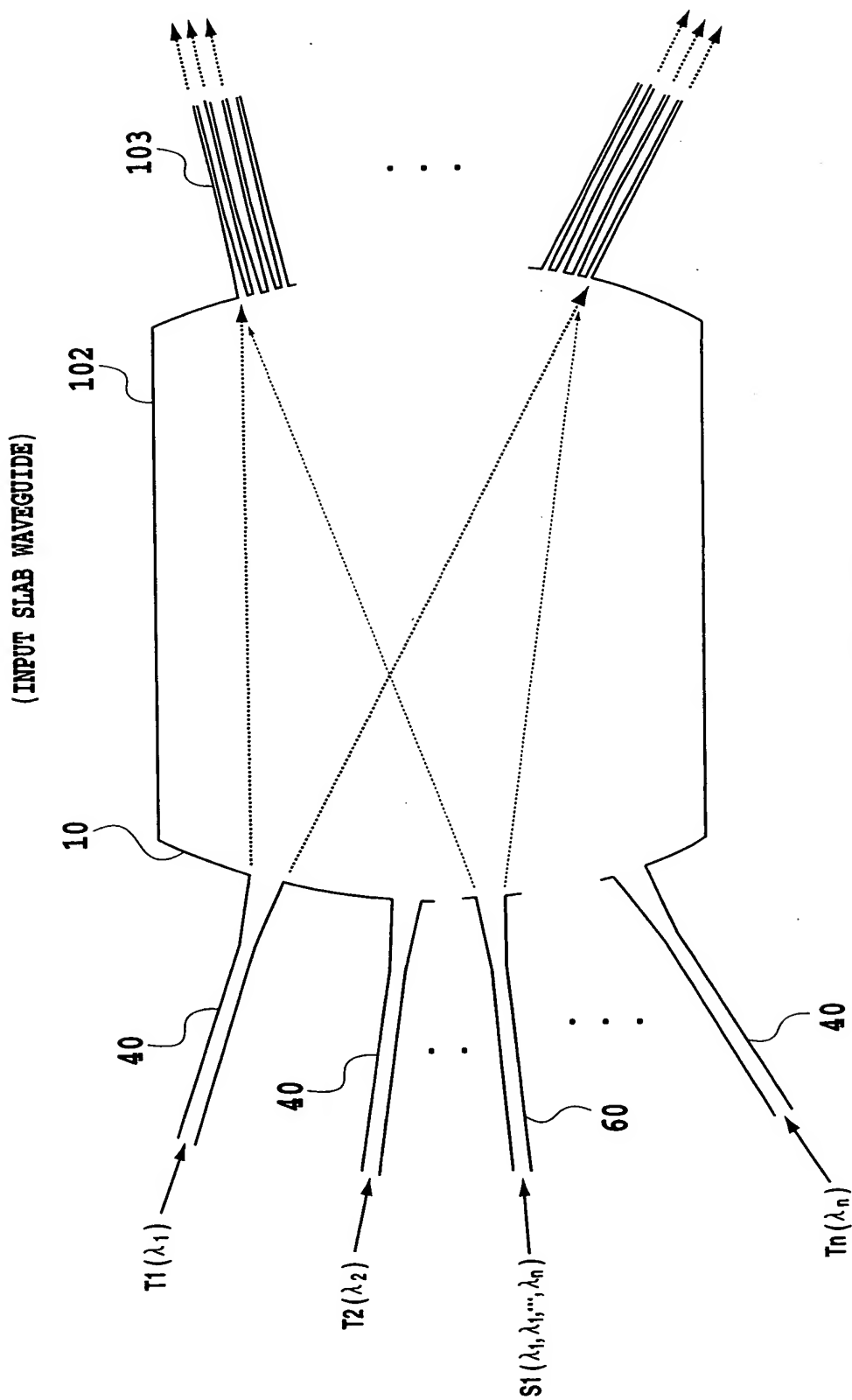


FIG.13

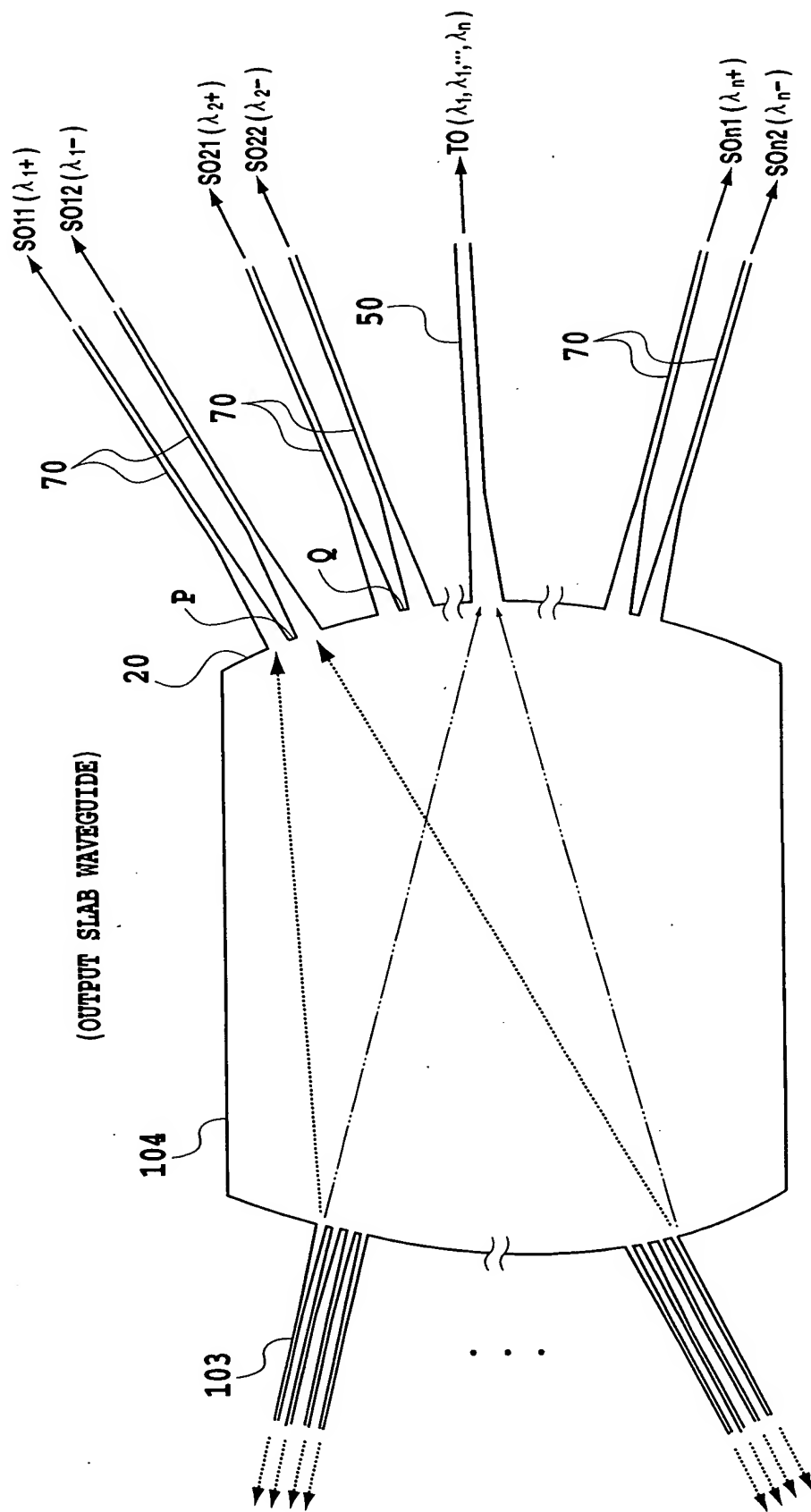


FIG.14

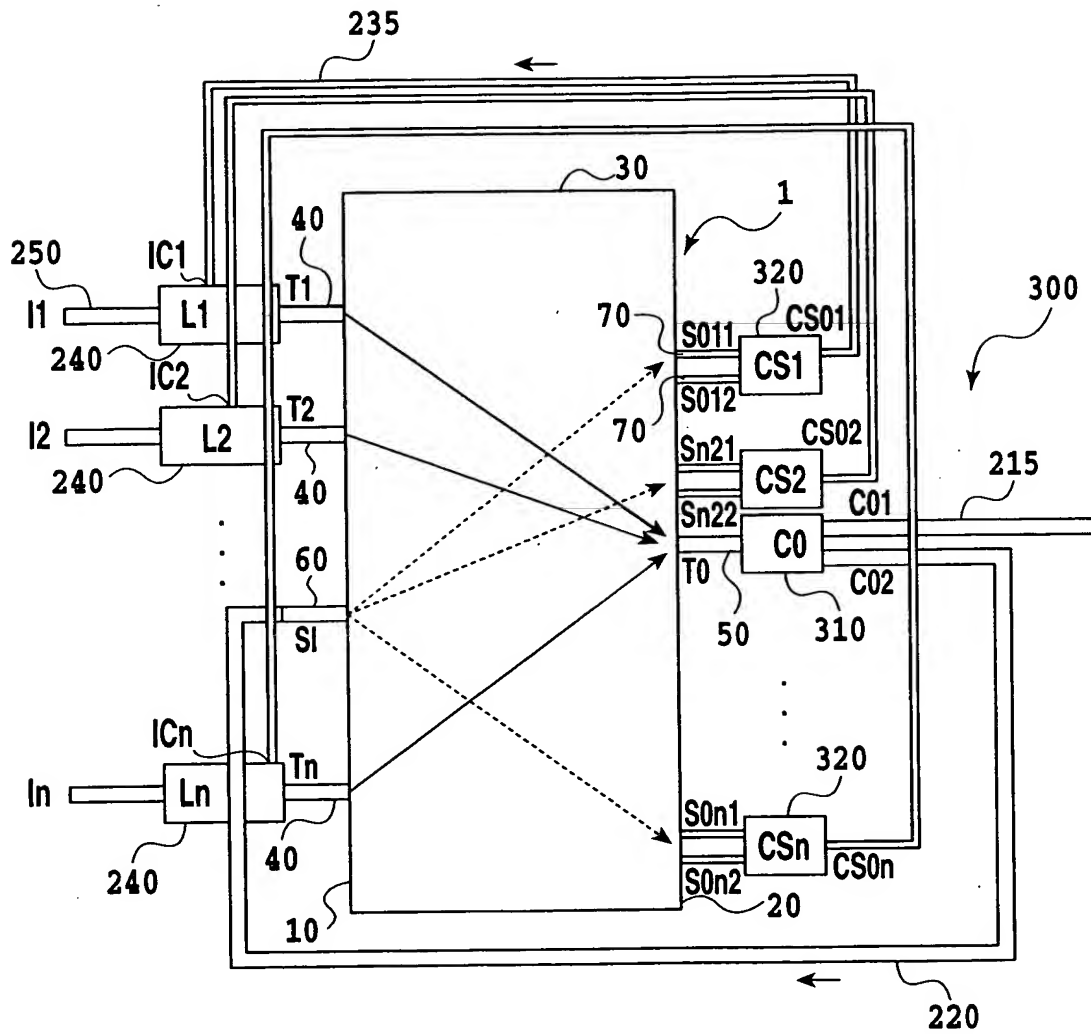
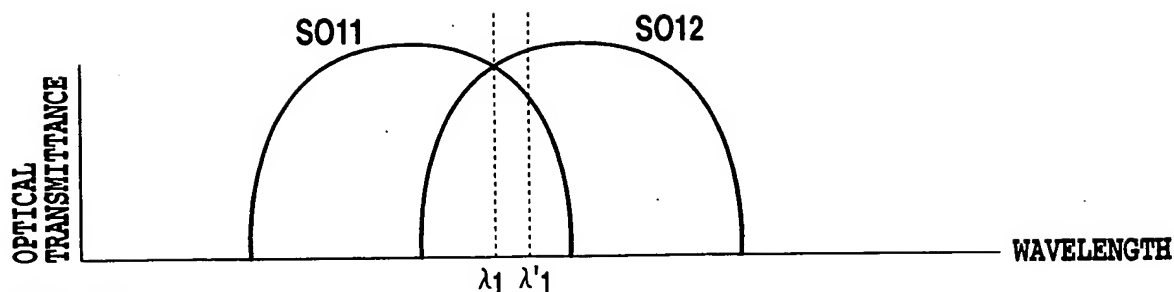
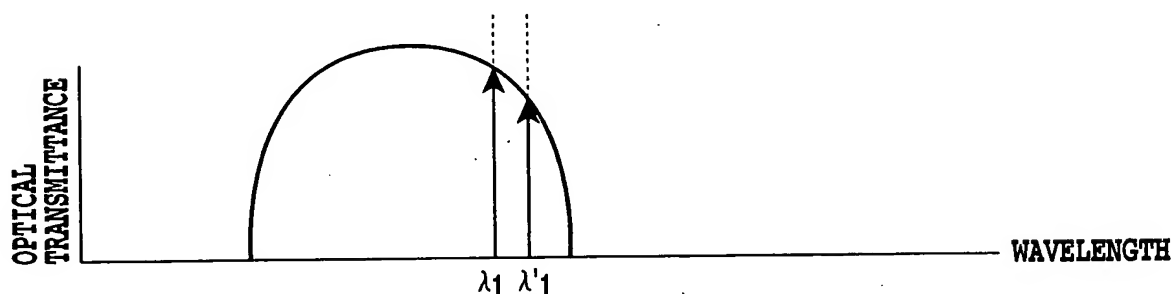


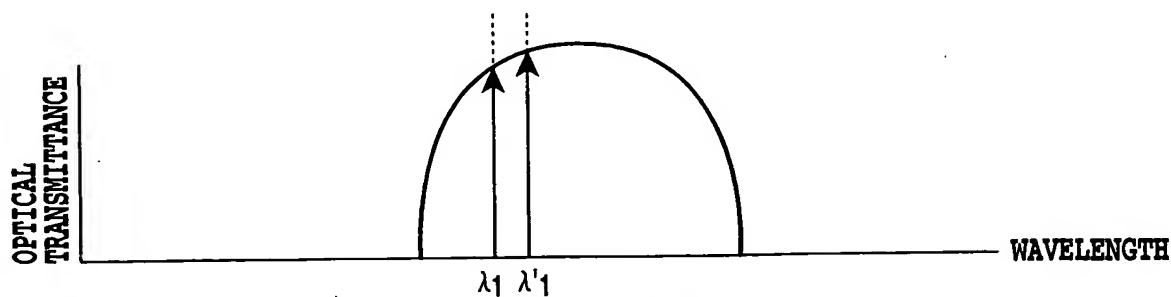
FIG.15

**FIG. 16A**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTICS BETWEEN SI AND S011, S012

**FIG. 16B**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTIC BETWEEN SI AND S011

**FIG. 16C**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTIC BETWEEN SI AND S012



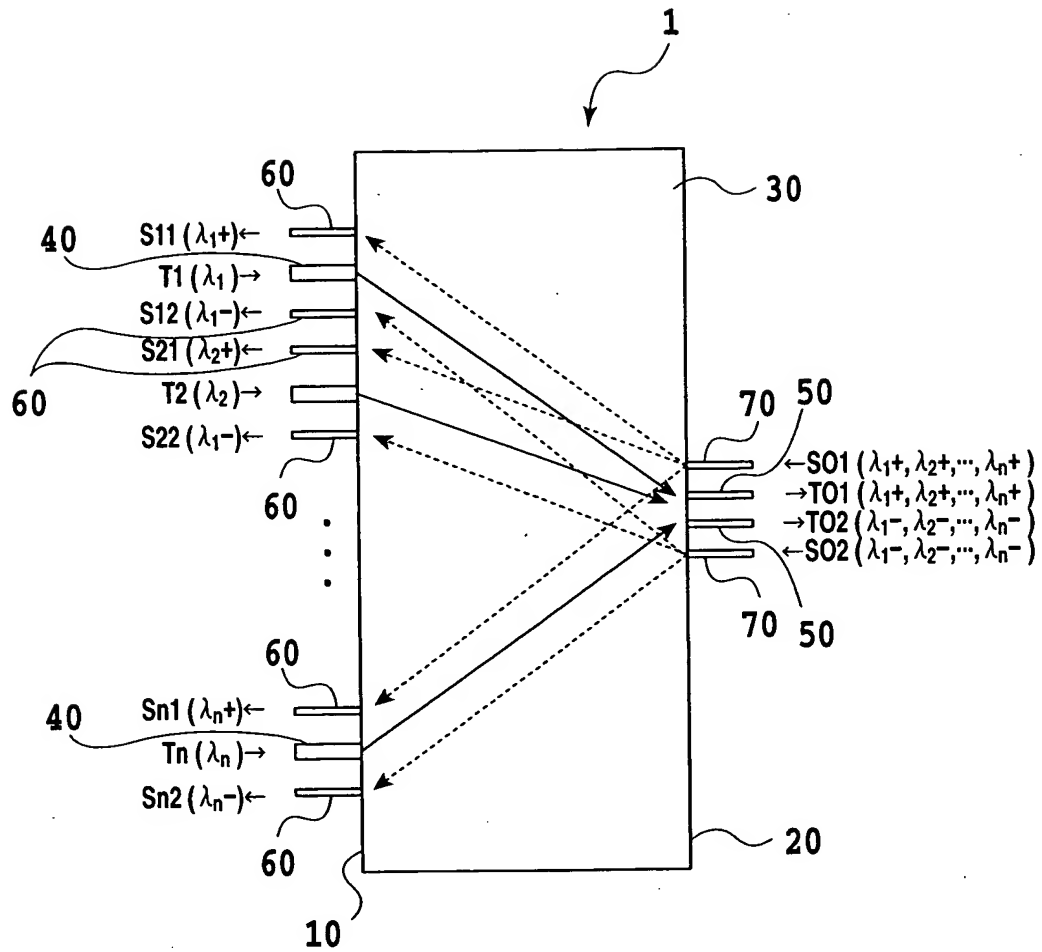
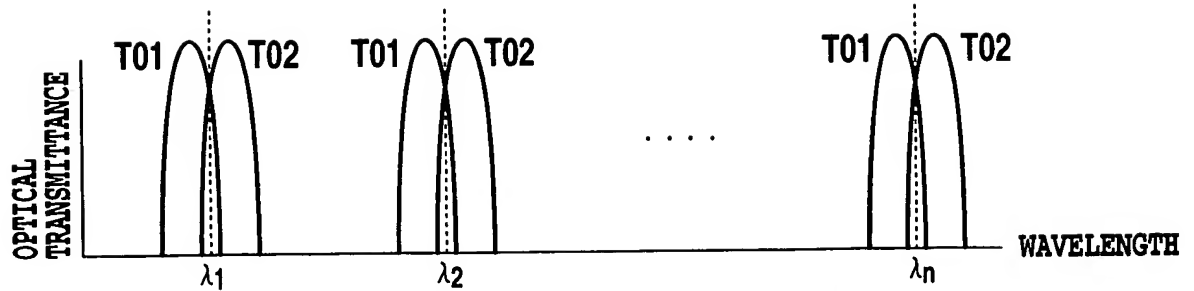
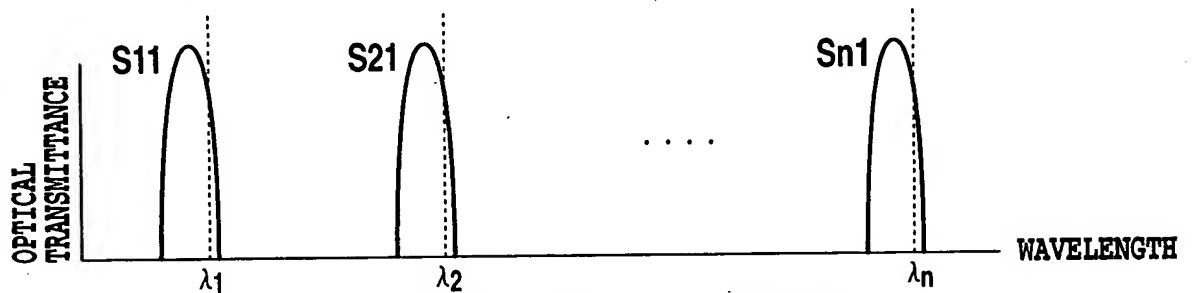


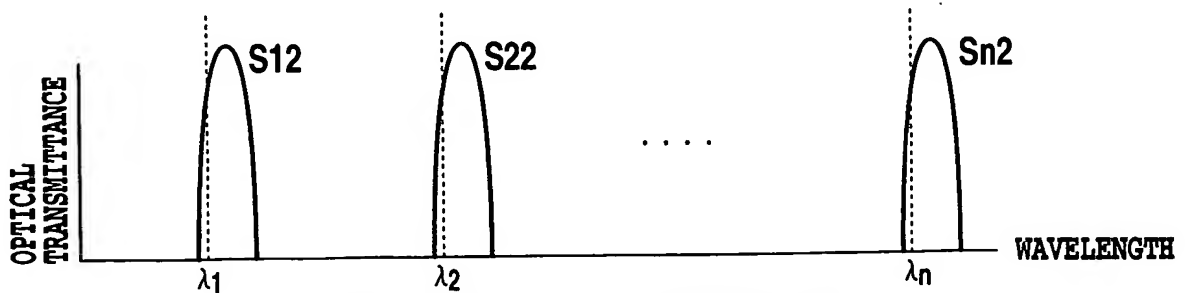
FIG.17



**FIG.18A** (b) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT TRANSMISSION CHANNEL WAVEGUIDES T1, T2, ..., Tn AND OUTPUT TRANSMISSION CHANNEL WAVEGUIDES T011, T012



**FIG.18B** (c) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDES S11, S21, ..., Sn1 AND OUTPUT MONITORING CHANNEL WAVEGUIDE S01



**FIG.18C** (d) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDES S12, S22, ..., Sn2 AND OUTPUT MONITORING CHANNEL WAVEGUIDE S02

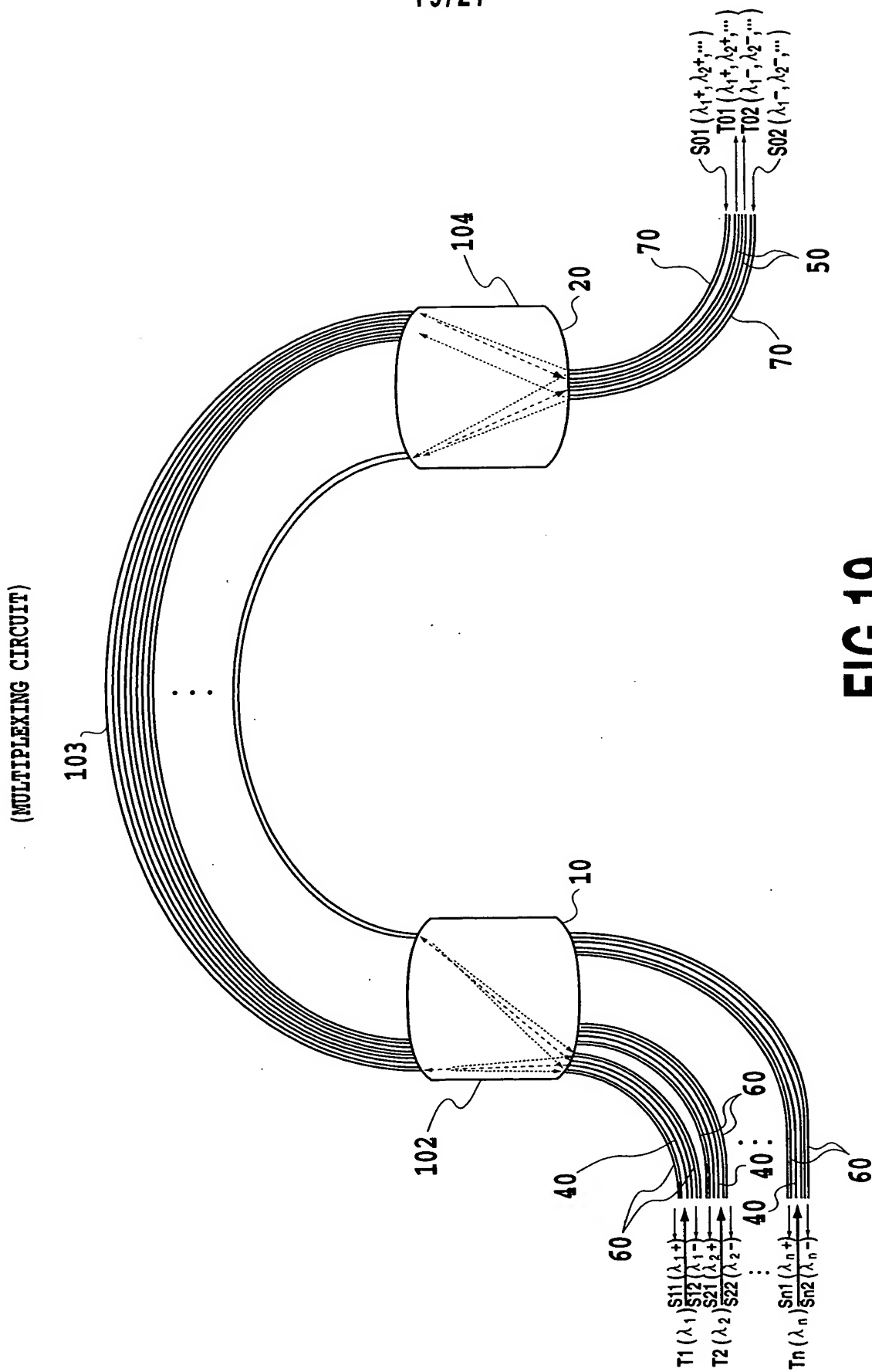


FIG.19

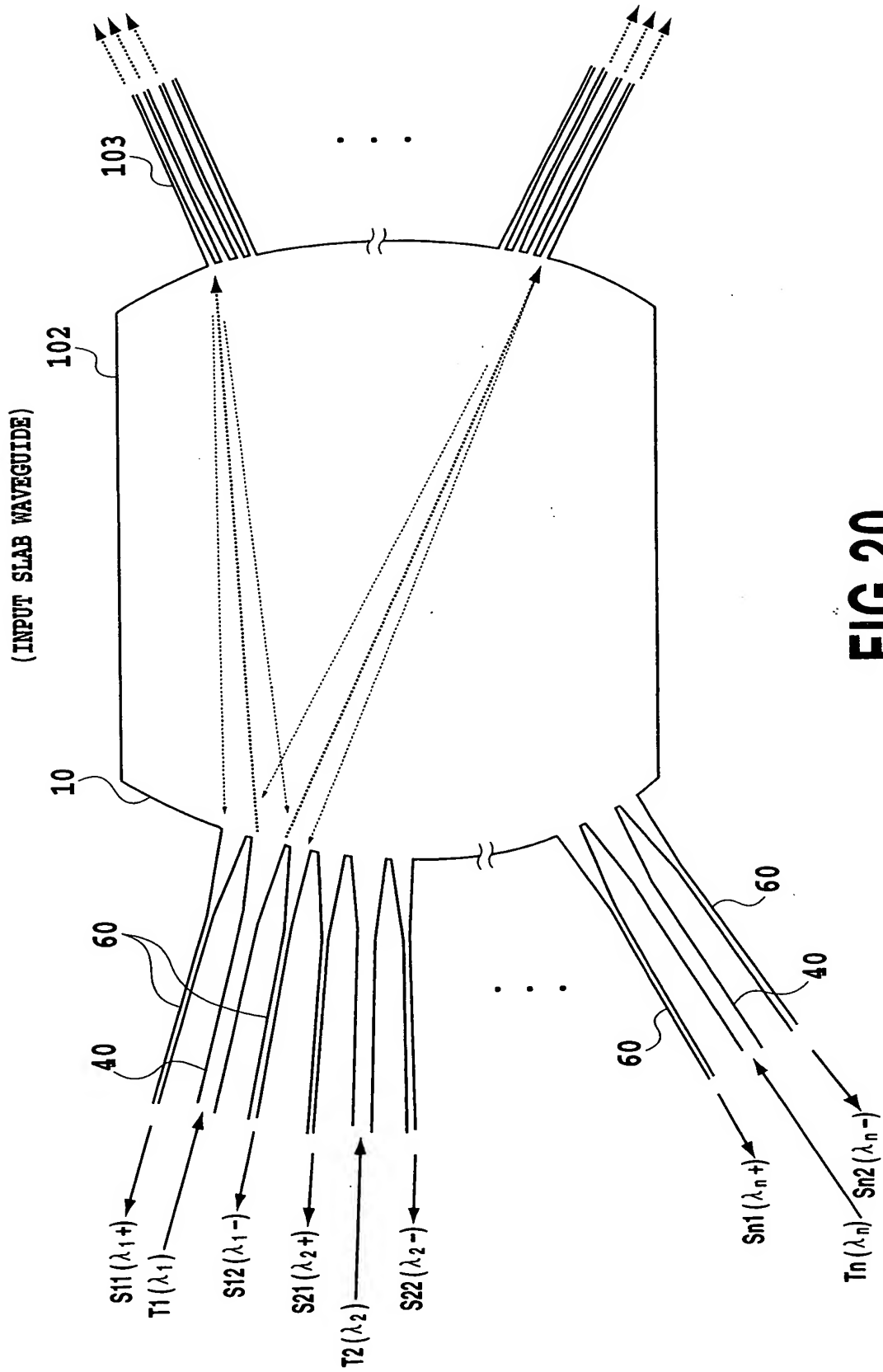
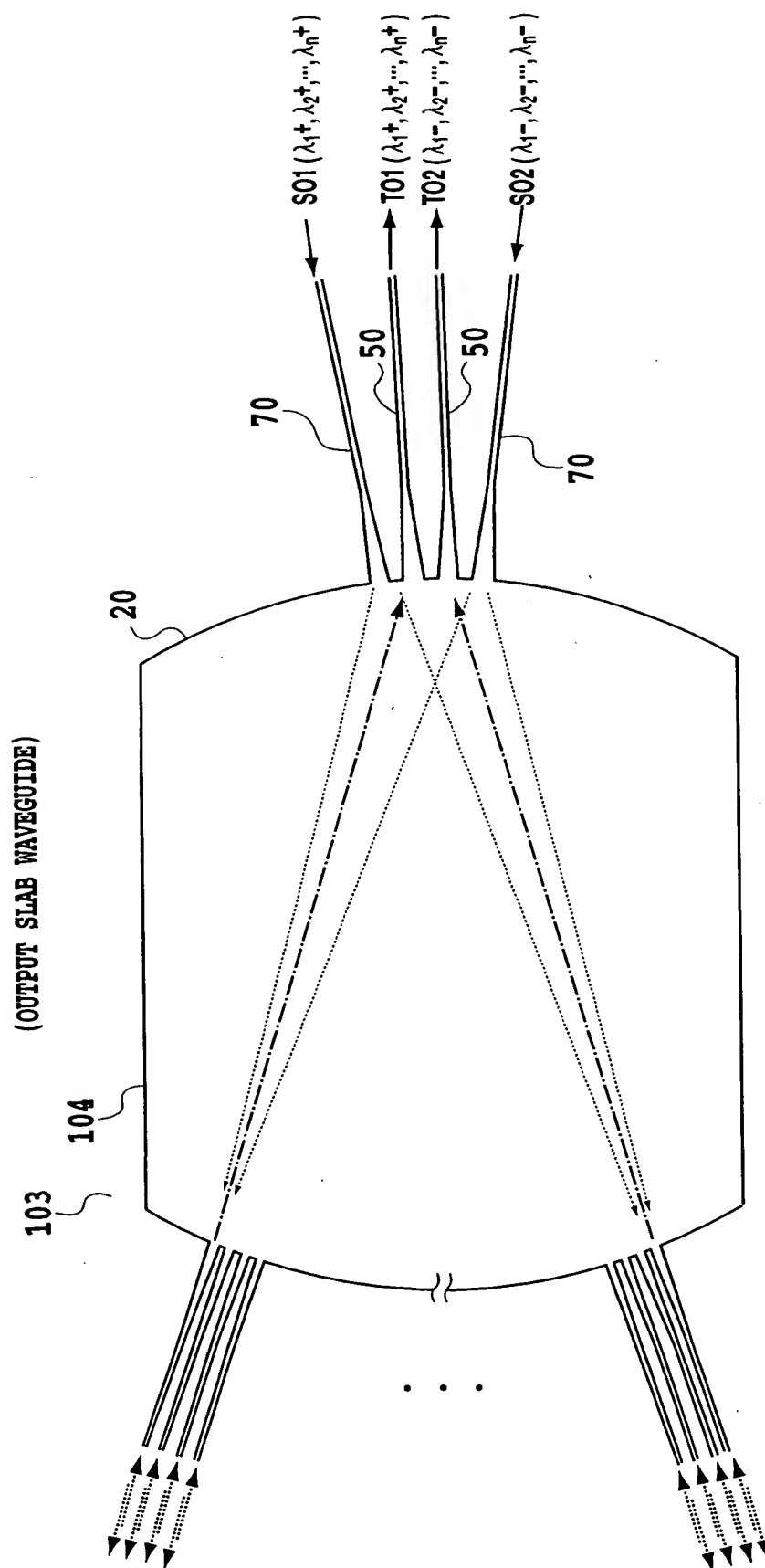


FIG.20



**FIG. 21**

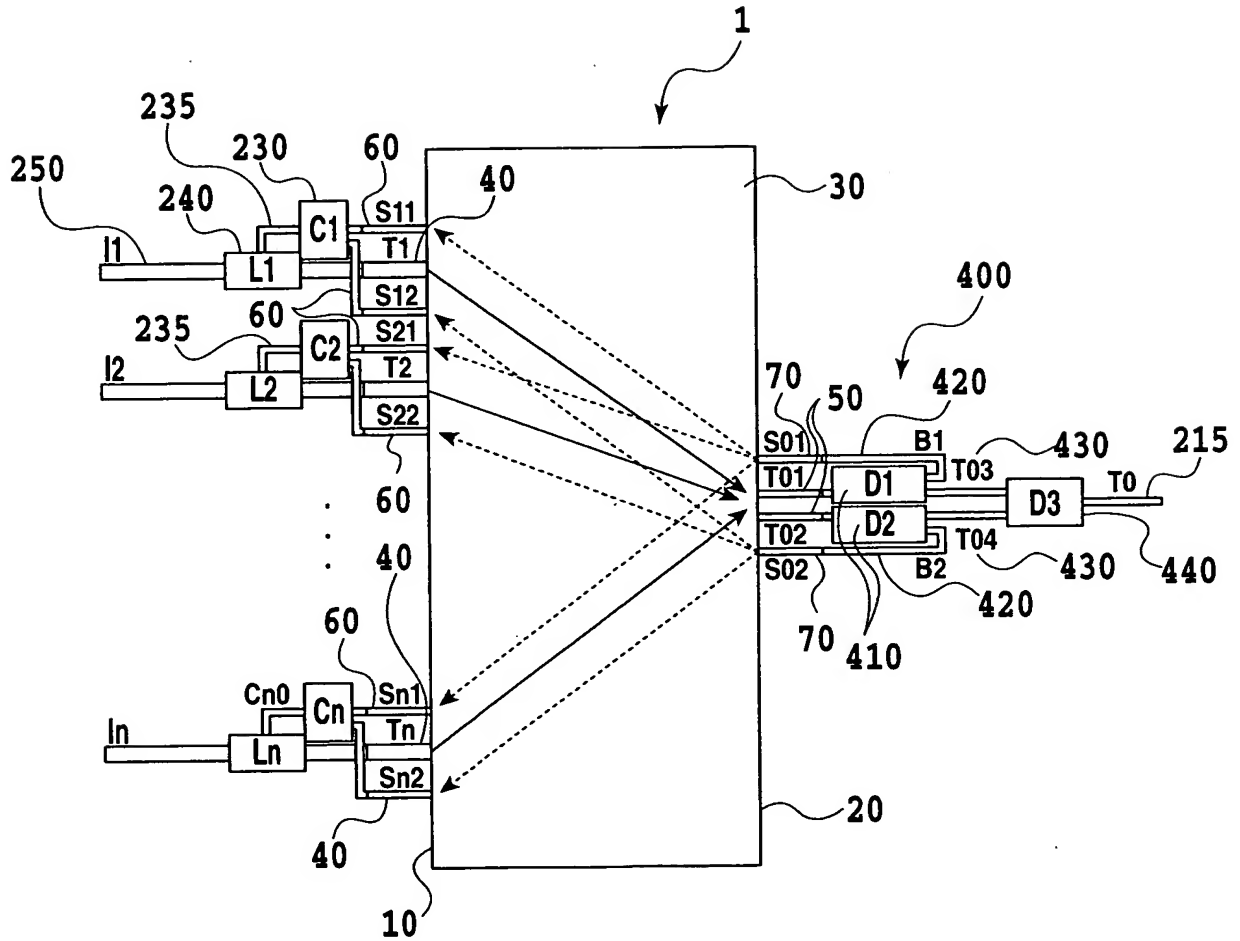
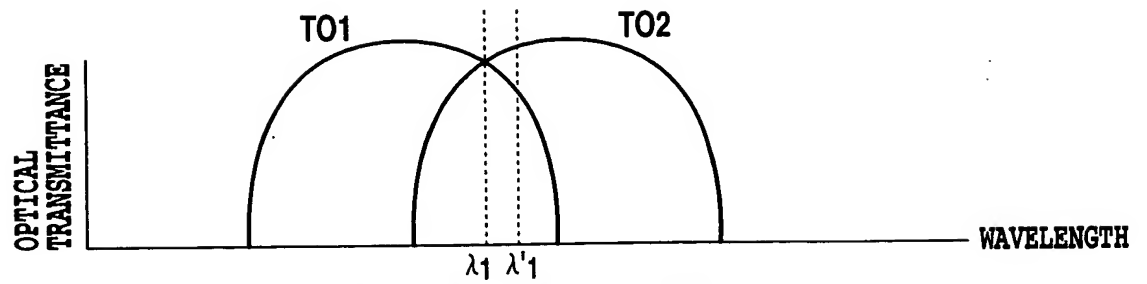
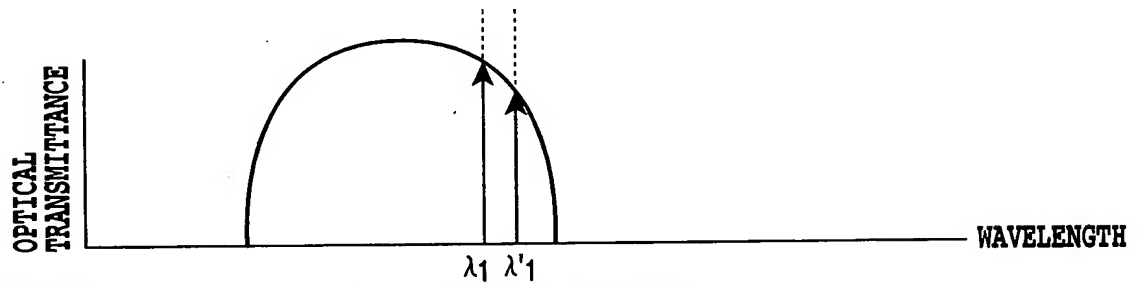


FIG.22



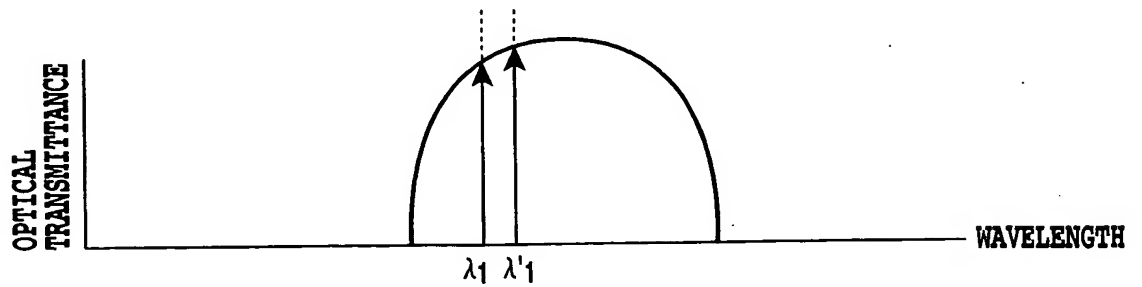
**FIG.23A**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTICS BETWEEN T1 AND T01, T02



**FIG.23B**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTIC BETWEEN S01 AND S11



**FIG.23C**

OPTICAL TRANSMISSION WAVELENGTH  
CHARACTERISTIC BETWEEN S02 AND S12

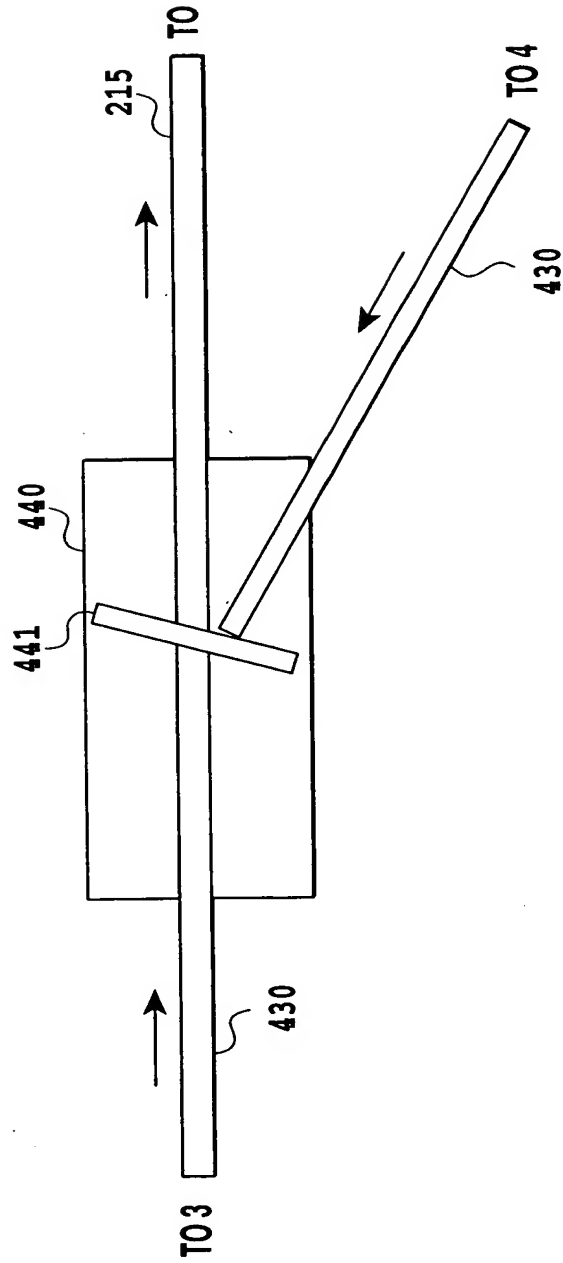


FIG.24



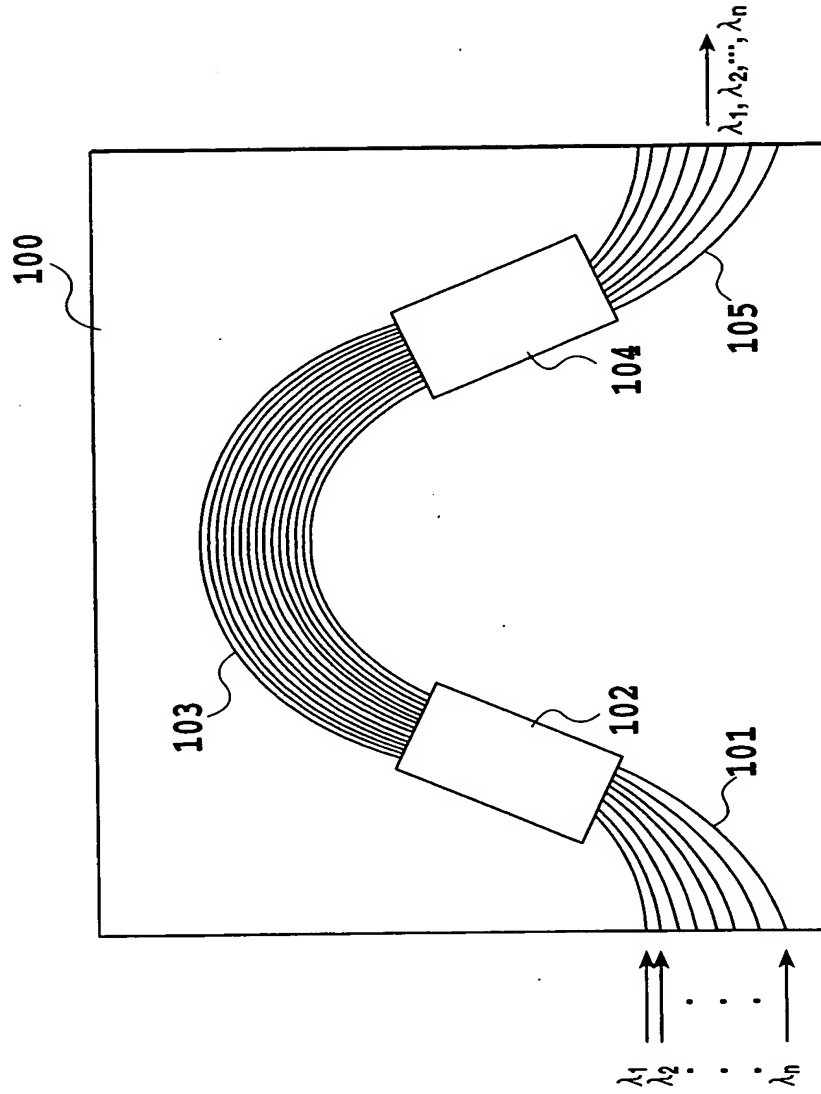


FIG.25

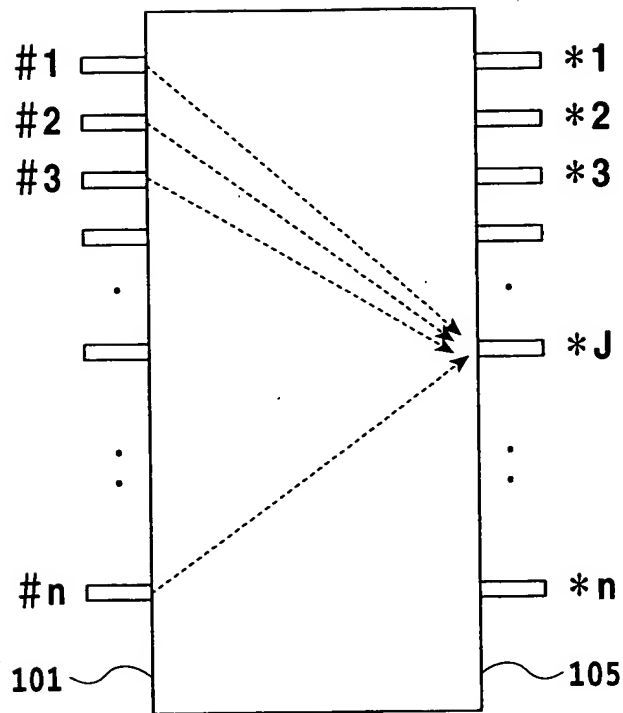


FIG.26



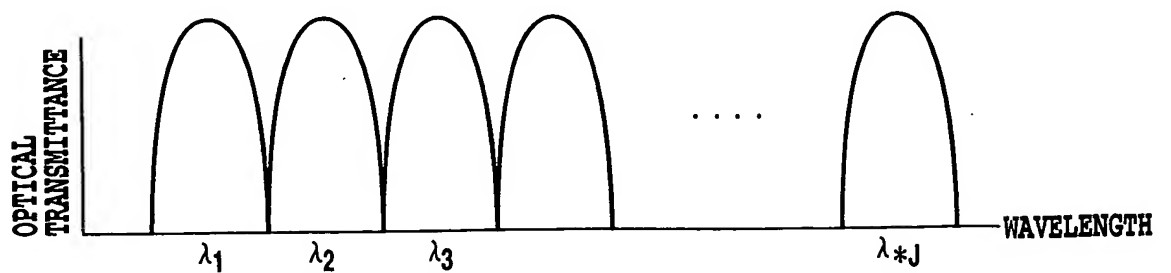
(c) OPTICAL TRANSMISSION CHARACTERISTIC BETWEEN #1 AND \*j

**FIG.27A**



(d) OPTICAL TRANSMISSION CHARACTERISTIC BETWEEN #2 AND \*j

**FIG.27B**



(e) SYNTHESIZE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN #1, #2, ..., #n AND \*j

**FIG.27C**